COTTON CHATS

FROM

DRAPER COMPANY

SHIPMAN'S
COMMON-SENSE BINDER

PATENTED

JANUARY 19, 1892. APRIL 19, 1904

To open binder, remove the slides from fasteners raise the fasteners to an erect position and then file papers. For punching: lay the papers on covers and mark sheets to correspond with fasteners.

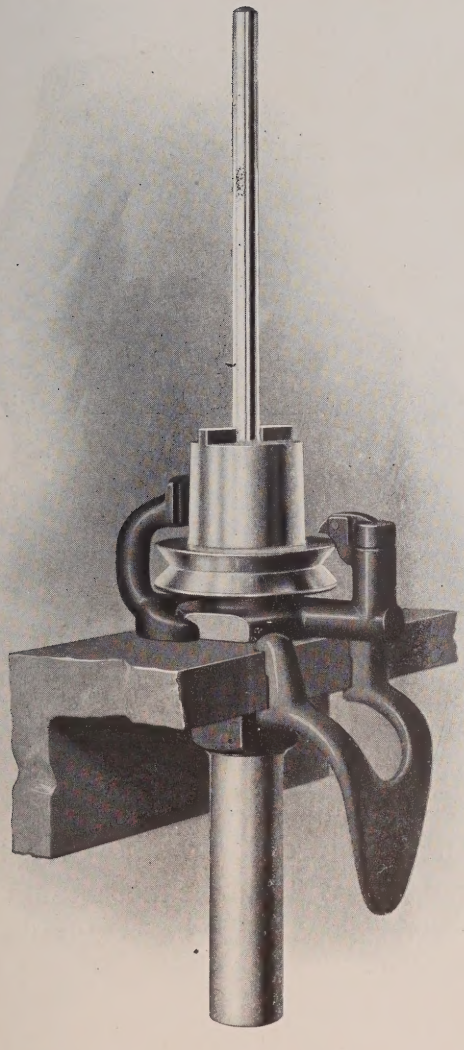
If DUPLICATE is wanted ORDER 25981

ASA L. SHIPMAN'S SONS
MANUFACTURERS,
NEW YORK.

COTTON CHATS

By the Secretary of the
DRAPER COMPANY,
HOPEDALE, MASS.

No. 54. SEPTEMBER, 1906

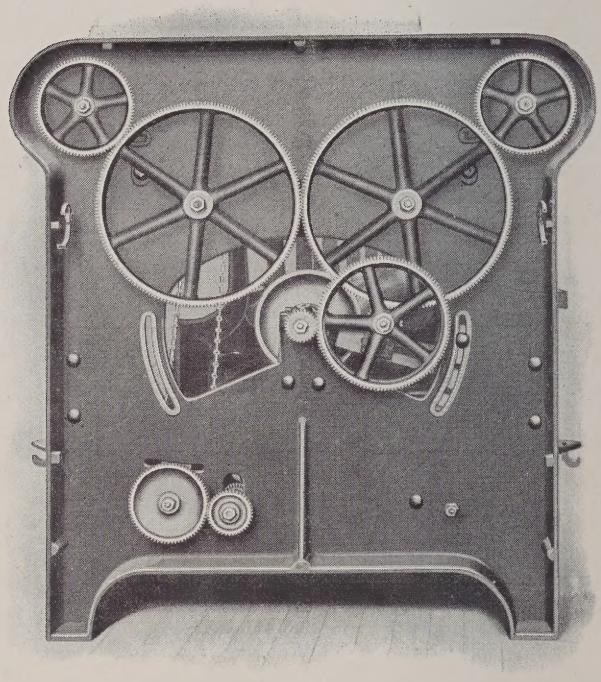


SPINDLE BRAKES.

We furnish a neat, single-piece Twister Spindle Brake as shown in the illustration. It serves the double purpose of brake and spindle retainer on old styles of spindle. We

owned exclusive rights to this brake under the Hetherington patent until its control lapsed. It was immediately copied by other twister builders.

Now it is logically shown that our competitors by this course proved that they were formerly offering an inferior brake. May it not some day be shown that other devices exclusively used by us are likewise superior? We do not suppose that competitors will frankly say our products are better, but acts often speak louder than words.



We make a splendid Twister—even if we do say it ourselves. The second cut shows how it looks within the cover. All cut gears with simple method of changing twist or speed of traverse. We have a circular to tell more explicitly of the details.

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HUMIDITY.

While engaged in the preparation of our forthcoming catalogue, a task somewhat delayed by the rapidity of substitution as improvements mature, I have taken up the subject of artificial humidity at some length, consulting with various experts and making more or less research as to the state of the art. I have prepared a table of humidity recommendation for the various departments of a mill which is in simple form, using no fractions or decimals. I am printing it in advance herein, and am also enclosing a small card more handy for use by superintendents and overseers. The recommendations herein given vary but slightly from those adopted by the American Moistening Company, who use the limits allowed by the English Factory Act, and also vary little from those recommended by Mr. Stuart W. Cramer, for use with his Automatic Regulator. It is understood, of course, that if the table is to be followed, the humidity or temperature of a room will be varied until the dry bulb and the wet bulb read like the table; for instance, if the dry bulb be at 82° the wet bulb should read between 76° and 77° for the weave room, or from 73° to 74° in the card room. Similarly, if the dry bulb read at 75° in the spinning room, the humidity should be regulated so that the bulb reads 69°. I call special attention to the fact that in using scientific instruments it is first necessary to have a correct instrument, and second, that it be properly kept in order. The wicking on a wet bulb thermometer should be kept clean and properly moistened. The wet bulb thermometer should be at sufficient distance from the dry bulb so that the moisture in the wicking or receptacle for water be not so near as to affect the air in the vicinity of the dry bulb. In large rooms several sets of instruments should be used.

Proper humidification makes the work run better because yarn properly moistened has greater strength. Proper humidification also cures the evil of electricity in the card room. Regular humidification keeps certain machinery in better operative condition, for changes in the humidity affect the running of looms, the tension of spindle bands, etc. Modern methods of humidification cleanse and cool the air, refreshing the operatives in hot weather. We have seen numerous cases of mills where the running of the work and the temper of the operatives could have been greatly bettered by adoption of artificial humidification.

DRAPER TABLE OF RECOMMENDED HUMIDITY

For Cotton Mill Conditions.

DRY BULB.	WEAVE ROOM.	SPINNING ROOM.	CARD ROOM.
	WET BULB.	WET BULB.	WET BULB.
60	58	56	55
61	59	57	56
62	60	58	57
63	61	59	58
64	62	60	59
65	63	61	60
66	64	62	61
67	65	63	62
68	66	64	63
69	67	65	64
70	68	66	65
71	69	67	66
72	70	68	67
73	71	69	68
74	72	70	69
75	73	71	70
76	74	72	71
77	75	73	72
78	76	74	73
79	77	75	74
80	78	76	75
81	79	77	76
82	80	78	77
83	81	79	78
84	82	80	79
85	83	81	80
86	84	82	81
87	85	83	82
88	86	84	83
89	87	85	84
90	88	86	85
91	89	87	86
92	90	88	87
93			
94			
95			
96			
97			
98			
99			
100			